STARMACH, Karol, prof., dr.; ROSOL, Edward

Morphometric characteristics of barbels Barbus petenyi Heckel from the waters of Upper Vistula. Acta hydrobiol 3 no.4:217-224 '61.

1. Zaklad Biologii Wod, Polska Akademia Nauk, Krakow, ul. Slawkowska 17.

(Poland-Barbel(Fish))

ROSOL, Miroslav; ANTOS, Jaroslav

Detection of atypical conditions of the cervical epithelium with the aid of a simple cytodiagnostic method. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.5:599-604 '61.

- 1. Gynekologicko-porodnicka klinika; prednosta prof. DrSc. MUDr.
- J. Pazourek.

(CERVIX NEOPLASMS)

ROSOL, M.; ANTOS, J.

Gynecological cytodiagnosis with the aid of Czechoslovakian inks. Cas. Lek. Cesk. 101 no.5:138-142 2 F 62.

1. Gynekologicko-perodnicka klinika LFKU v Hradci Kralove, prednosta prof. DrSc. MUDr. Josef Pazourek.

(CYTODIAGNOSIS) (INK)

ROSOL, M.

Cytological detection of atypical epithelium of the cervix uteri in menopause. Cesk. gynek. 30 no.8:568-571 0 '65.

1. Gyn.-por. klin. lekarske fakulty Karlove University v Hradci Kralove (prednosta prof. dr. K. Vacha, DrSc.). Submitted April 10, 1965.

: Chemical Rechnology. Chemical Products and Their GATIMONY (A plications: Production and Membersion of Gases. Enkhim., No 19, 1959, No. 68653 AUSPIR : Bosel, T. FIFT COL : Parafecture of execon and Its Utilization Title 3620. 198. : Przym. olem., 1978. 37. No 9, 502-567 : described as the schome of the Linde-Frenkel ASSURECT recess for the manufacture of technical exyven (107) and besic fields of its application are Andicated. Presented ore certain data rertaining to the Co araduction in the U.S.A. covering Wallowets, Ellist's and other processes. -- V. Sokol'skiv. Covit

KOSOL, 1	The second secon	
	Manufacture of oxygen and its application. Tadeusz. Rosól (Inst. Syntezy Chem. Chorzów, Poland). Premystaria (1958).—A review of manufg, methods by	2 1
	Manufacture of oxygen and its application. Tadeusz. Rosóf (Inst. Syntezy Chem. Chorzów, Poland). Freeny. Chem. 37, 562-7(1958).—A review of manufg. methods by Linde, Linde-Franki, Claude, Heylandt, and improved roctification method by Lachman is given. R. lists applications of O in the chem., metallurgical, glass, and cement industries. Comparison of O manufg. costs by different methods is given. Distr: 1E2d	
	Y,	
and the state of t		

PENNO, Fryderyk, mgr inz.: ROSOL, Tadeusz, mgr inz.

The Chorzow Nitrogen Works as a cradle of new technology.
Przegl techn 85 no.7:3,4, 16 F'64.

STRIBRNA, J.: SCHUCK, O.; CHOLINSKY, K.; MARKOVA, Z.; ROSOL, Z.

The effect of polythiazide on the renal elimination of water and on osmotically active substances during water diuresis. Cas. lek. cesk. 104 no.30:809-812 23 J1 '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra Ustavu pro doskolovani lekaru v Praze (reditel prof. dr. 0. Smahel, DrSc.) a Ustav klinicke fyziologie lekarske fakulty hygienicke Karlovy University v Praze (reditel prof. dr. J. Skladal).

CIA-RDP86-00513R001445

STOJAN, M.; ROSOL, Z.

R**©**SUL, 4.

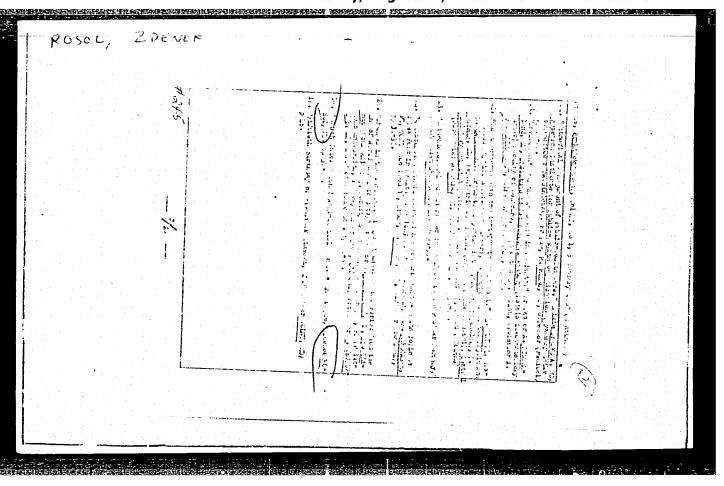
Notes on the Recording of the Epicardial and Intramural Electrogram of the frog heart. Physiol. bohem. 6 no.2:240-245 1957.

1. Chair of Physiology of the Faculty of General Medicine, Charles University, Prague.

(ELECTROCARDIOGRAPHY

simple method for epicardial & intramural ECG of frog heart)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001445



Registration of enterdine and intramural electrogram in frog's heart. Ceak. fysiol. 6 nc.2:208-212 1957.

1. Katedra fysiologie fabulty vseeb. lek. KU, Praba.
(DINOTROCA-DIOS-MPAT., simultaneous registration of epicardiac & intramural potentials in frog. (Cz))

ROSCL, Zdenek

CZECHOSLOVAKIA

MD

OUNZ (Okresni Ustav Narodniho Zdravi - District Institute of National Health), Rakovnik

Prague, Prakticky Lekar, No 18, 1962, pp 807-809

"VII Day of Interns in Prague"

HERLES, F.; ROSOL, Zd.

Electrocordiogram in non-specific myocarditis. Cas. lek. cesk. 96 no.51: 1577-1582 20 Dec 57.

1. II. interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. Dr F. Herles.

(NYOCAEDITIS, differ. diag.

non-specific myocarditis, ECG (Cz))

(SLECTROCAEDIOGRAPHY, in various dis.

myocarditis, non-specific, value in differ. diag. (Cz))

Epicardiac and intramural electrocardiogram of a frog heart. p.208. (Ceskoslovenska Fysiologie, Vol. 6, No. 2, 1957, Praha, Czechoslovakia)

So: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 9, Sept. 1957. Uncl.

CZECHOSLOVAKIA / Human and Animal Physioloby (Normal and Pathological). Blood Circulation. Heart

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97521

Author : Herles, F., Rosol, Zd.

Inst : Not given

Title : Electrocardiogram in Nonspecific Myocarditis

Orig Pub: Casop. lekaru ceskych., 1957, 96, No 51, 1577-1582

Abstract: No abstract

Card 1/1

30

KORDEIAR, J.; ROSOL, Zd. (okresni internista, OUNE, Praha-zapad)

Pulseless disease, or Takayashu syndrome. Cas. lek. ceak. 97 no.8:249-251 21 Feb 58.

1. II Interni klinika KU v Praze, prednosta prof. F. Herles.

(AORTA, dis.
aortic erch synd., case report (Cz))

ROSOL, Zdenek, MUDr

PRINCIPALISADE PROPERTIES DE L'ARRESTE PROPERTIES PROPERTIES DE L'ARRESTE DE L'ARRESTE DE L'ARRESTE PROPERTIES

Case of mitral stenosis with atypical clinical and patho-anatomical findings. Cas.lek.cesk. 91 no.43:1233-1234 24 Oct 52.

 Sekundarni lekar interniho odd. nemocnice v Ces. Brode. (MITRAL STENOSIS, atypical case)

Pyopericarditis in myocardial infarction. Prakt. lek., Praha 35 no.17:390-391 5 Sept 55.

1. Interni odd. lu kove casti OUNZ Cesky Brod. primar dr. Josef Ledec.
(MYOCARDIAL INFARCT, complications, pyopericarditis)
(PERICARDITIS, pyopericarditis, in myocardial infarct.)

ROSOL, Zdenek, MUDr

Experiences with myocardial infarction with review of recent progress in the field of physiopathology. Prakt. lek., Praha 34 no.21:489-490 5 Nov 54.

1. Interni odd. OUNZ Cesky Brod.
(MYOCARDIAL INFARCT, pathology, physiopathol.)

ROSOL, Zdenek, MUDr

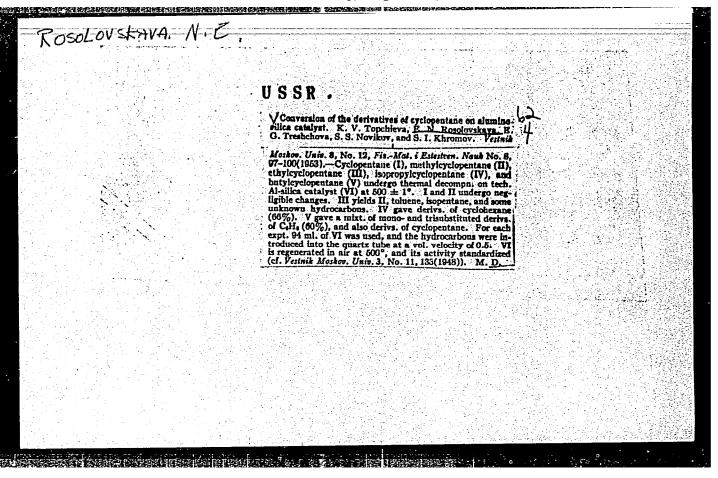
Notes on etiology, pathogenesis and diagnosis of diabetes insipidus. Cas. lek. cesk. 93 no.47:1294-1297 19 Nov 54.

1. Interni oddeleni nemocnice OUNZ, Cesky Brod. Vedouci primar:
MUDr Josef Ledec
(DIABETES INSIPIDUS
etiol., pathogen. & diag.)

LINKEVICH, M.A.; ROSOLOV, A.P.

Production conferences should be effective. Razved. i okh. nedr. 28 no.7:52-54 Jl '62. (MIRA 15:8)

1. Severoural'skaya kompleksnaya geologorazvedochnaya ekspeditsiya. (Prospecting) (Works councils)



TOPCHIYEVA, K.V.; ROSOLOVSKAYA, Ye.N.; SHARAYEV, O.K.

Effect of the degree of dehydration of aluminum oxide on its catalytic activity. Vest. Mosk.un. Ser.mat., mekh., astron., fiz., khim. 14 no.1:217-223 '59. (MIRA 13:8)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.
(Aluminum oxide)

TOPCHIYEVA, K.V.; ROSOLOVSKAYA, Ye.N.

Effect of the dehydration of an aluminosilicate catalyst on its acidity. Neftekhimiia 2 no.3:298-304 My-Je '62.

(MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimicheskiy fakul'tet.

(Aluminosilicates) (Dehydration (Chemistry))

(Hydrogen-ion concentration)

TOPCHIYEVA, K.V.; ROSOLOVSKAYA, Ye.N.

Effect of the heat treatment of aluminosilicate catalysts in a vacuum of their structure. Neftekhimiia 2 no.2:175-178 M5-Ap '62. (MIRA 15:6)

1. Moskovskiy gosudarstvenny universitet imeni M.V.Lomonosova khimicheskiy fakul'tet.
(Aluminosilicates)

TOPCHIYEVA, K.V.; ROSOLOVSKAYA, Ye.N.; TRESHCHOVA, Ye.G.; NOVIKOV, S.S.; KHROMOV, S.T.

Transformations of cyclopentane homologs in aluminosilicate as catalytic agent. Vest.Mosk.un. 8 no.12:97-100 D *53. (MLRA 7:2)

1. Kafedra fizicheskoy khimii. (Hydrocarbons)

KHOMYAKOV, Yu.S.; ROSOVSKAYA, Z.Ye.; BELAYA, Yu.A.

Some difficulties in the diagnosis of metastases of chorioepithelioma in the lungs. Akush. i gin. 36 no.3:28-30 My-Je '60.

(MIRA 13:12)

(LUNGS—CANCER)

ROSLOVSKIY, A.I.

Kinetics and mechanism of the decomposition of nitric oxide. Zhur.fiz.khim. 30 no.6:1349-1355 Je '56. (MLRA 9:10)

1. Akademiya nauk Az SSR, Institut fiziki i matematiki, Baku.
(Nitrogen oxides)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001445

ROSOLOVSKIY, V. Ye

USSR/Chemistry - Physical chemistry

Card 1/2

Pub. 147 - 18/27

Authors

Komandim, A. V., and Rosolovskiy, V. Ya.

Title

Dipole moments of certain orthohydroxybenzoic acid and glycerin derivatives

Periodical

Zhur. fiz. khim. 28/12, 2215-2221, Dec 1954

Abstract

In order to explain the effect of the hydrogen bond on the dipole moment, the following compounds were measured at 25°C in benzene solutions: methyl and phenyl ethers of o-acetoxybenzoic acid (methyl and phenyl o-acetoxybenzoate), phenyl ether of o-phenoxybenzoic acid (phenyl o-phenoxybenzoate) and glycerin ether of acetic acid (glycerin acetate) as well as glycerin ether of salicylic acid (glycerin salicylate) in dioxane. The dipole moment of the latter was measured in dioxane because of its low solubility in benzene. The synthesis and purification of the investigated substances are described and the results obtained are tabulated. Fourteen references; 2 USSR; 6 German; 1 British; 1 French; 3 USA and 1 Swiss (1897-1954).

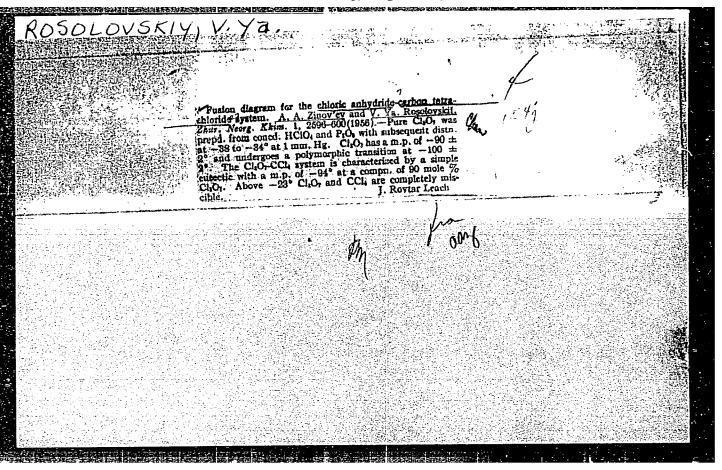
Zhur. fiz. khim. 28/12, 2215-2221, Dec 1954

(Additional Card)

Card 2/2

Institution : The M. V. Lomonosov State University, Moscow

Submitted : May 8, 1954



AUTHORS:

Rosolovskiy, V.Ya., Zinoviyev, A.A.

--- 76-3-7-20/44

TITLE:

Chloric Acid and ts Derivatives (Khlornaya kislota i yeye proizvodnyye) VII. On the Polymorphisms of Cxonium Perchlorate

(VII. O polimorfizme perkhlorata oksoniya)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 7, pp 1589-1591

(USSR)

ABSTRACT:

In the present paper the results obtained by investigation of phase transformation in oxonium perchlorate are investigated. Experiments were carried out by thermal and dilatemetric methods. For the determination of the temperature of phase transformation heating curves were plotted for the interval of from -30 to -10° C. In the case of more rapid cooling down the monohydrate of chloric acid (HClO₄.H₂O) is formed, which is stable at -20° C. Beyond this temperature oxonium perchlorate is subjected to reversible phase transition. The transition process is accompanied by a change of volume and an increase of the density of the exonium perchlorate. There are 1 figure and 10 reference.

Card 1/2

Chloric Acid and ts Derivatives.
VII. On the Polymorphisms of Oxonium
Perchlorate

. 1, 78-3-7-20/44

ASSOCIATION:

Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova, Akademii nauk SSSR (Institute of General and Inorganic Chemistry imeni N.S.Kurnakov, AS USSR)

1. Oxonium perchloretes--Phase studies 2. Oxonium transported orated -- Temperature factors 3. Chloric and derivatives recentles

Card 2/2

AUTHORS: Zinov'yev, A. A., Rosolovskiy, V. Ya. S07/78-3-10-25/35

TITLE: X. The System Chlorine - Heptoxide - Water (X. Sistemy khlornyy

angidrid-voda)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 10, pp 2382-2389

(USSR)

ABSTRACT: An investigation was carried out of the fusion diagram of the

system Cl₂O₇-H₂O in the range of from perchloric monohydrate

to dichlorine heptoxide. The freezing-point curve of the mixtures of hydronium perchlorate and anhydrous perchloric acid was determined in a more precise way. The monohydrate of perchloric acid (hydronium perchlorate) was produced according to the

following reaction:

 $HC10_4 + HC10_4 \cdot 2 H_2C = 2 H_3O C10_4$.

The melting point of hydronium perchlorate is at +49,900. The apparatus shown in figure 1 was used for the production of

Cl₂O₇. Cl₂O₇ with a purity of 99,96% was obtained by this analy-

sis. The behavior in the melting process was examined by visual

Card 1/3 and thermographic methods. The behavior of the melt in the

MONTH OF THE PROPERTY OF THE P

SOV/78-3-10-25/35

X. The System Chlorine - Heptoxide - Water

system $\text{Cl}_2\text{O}_7\text{-H}_2\text{O}$ shows in the concentration range 100-25 mol-% Cl₂O₇ that the crystallization curve of perchloric acid falls in the fusion diagram. The melting point of anhydrous chloric acid mentioned in the references was refuted. Chloric acid does not have its melting point at -112°C, but at -100°C. It was found out by the dilatometric method that the polymorphous transformation of hydronium perchlorate takes place at -24,9°C. The density of the modification of hydronium perchlorate which is stable below the transformation point, is $d_4^{-25} = 2,040$, and the density of the modification which is stable above the transformation point, is d_4^{-25} = 2,025. When pure perchloric acid is cooled, crystallization begins at -47°C and ends at -100°C. The solid phase thus crystallizing out consists of hydronium perchlorate, as confirmed by analysis. According to visual observations, a mixture of Cl₂O₇ + HClO₄ becomes turbid at -50°C when it is cooled. The absence of pure perchloric acid in the fusion diagram was discussed. A new improved method of producing CloO7 was suggested.

Card 2/3

SOY/78-3-10-25/35

Heptoxide - Water X. The System Chlorine

There are 6 figures, 2 tables, and 23 references, 6 of which

are Soviet.

ASSCCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova

Akademii nauk SSSR (Institute of General and Inorganic Chemistry

imeni N. S. Kurnakov of the Academy of Sciences USSR)

January 3, 1958 SUBMITTED:

Card 3/3

SOV/70-4-3-11/32 Akishin, P.A., Vilkov, L.V. and Rosolovskiy, V.Ya. Investigation of the Structures of Molecules of Perchloric AUTHORS:

Acid and Perchloric Anhydride TITLE:

Kristallografiya, 1959, Vol 4, Nr 3, pp 353-359 (USSR) PERIODICAL:

 HClO_4 was made by distilling $\mathrm{HClO}_4.2\mathrm{H}_2\mathrm{O}$ in vacuo with oleum. Cl_2O_7 was made by reacting HClO_4 with P_2O_5 and ABSTRACT:

distilling at -34° and 2 mm Hg. Electronograms were taken as described earlier (A.V. Frost et al. .. Ref 5) and interpreted in two ways: a) by transformation to radial density distributions and b) by trial and error involving comparison of observed and calculated scattering

curves. Calculations were made on the Strela machine.

For HClO4 28 electronograms were taken for $\lambda = 0.052 - 0.062 \text{ Å}$. Intensity curves showed 10 peaks

and led to final molecular dimensions of:

(C1 = 0) 1.42 \pm 0.01 Å; (C1 - 0) 1.64 \pm 0.02 Å and

(0-C1-0) $100^{\circ} \pm 2^{\circ}$. H-positions were not found.

Card1/3

Investigation of the Structures of Molecules of Perchloric Acid and

are three C1 = 0 bonds and one C1 = 0 in the $HC10_4$ molecule which has the symmetry $C_{\overline{3}V}$.

For Cl_2O_7 a series of 32 electronograms showed 8 peaks. The molecule $\text{O}_3\text{Cl}\text{-O'}\text{-ClO}_3$ was found to have the following dimensions: (Cl = 0) (in the ClO_3 groups) + 424 ± 0.01 Å; (Cl - O') 1.725 ± 0.05 Å; (ClO'Cl) 115° ± 5 °; one plane of symmetry (containing the two Cl atoms and the middle O' atom) with the ClO_3 groups in opposite orientations. It is significant that these two molecules each have two different $\text{Cl}\text{-O}_0$ bond distances whereas the ClO_4 ion is tetrahedral. In HClO_4 and Cl_2O_7 the height of the ClO_5 pyramid (~ 0.2 Å) is near to the normal oscillation amplitude along the $\text{Cl}\text{-O}_0$ bond and hence the

Card2/3

Investigation of the Structures of Molecules of Perchloric Acid and

molecules can easily dissociate to form active complexes. Acknowledgments are made to V.I. Mikheyeva and A.A. Zinov'yev. There are 5 figures, 4 tables and 14 references, of which 6 are Soviet, 5 German, I English and 2 Scandinavian.

ASSOCIATIONS: Moskovskiy gosudarstvennyy universitet im-

M.V. Lomonosova (Moscow State University imeni M.V. Lomonosov) Institut obshchey i neorganicheskoy khimi (Institute of General and Inorganic Chemistry)

SUBMITTED: February 10, 1959

Card 3/3

5(4)

sov/76-33-6-18/44

AUTHORS:

Komandin, A. V., Rosolovskiy, V. Ya.

TITLE:

Densities and Molar Volumes of Some Organic Compounds in Broad Temperature Ranges (Plotnosti i molyarnyye ob"yemy nekotorykh organicheskikh soyedineniy v shirokom intervale

temperatur)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 6, pp 1280-1282

(USSR)

ABSTRACT:

The densities were determined in the temperature range of 60 - 160° for the liquid and undercooled state of the following 6 compounds: ethylene glycol, glycerin, a, \gamma-glyceryl acetate, a-glycerin-o-hydrobenzoate, and the methyl- and phenyl-o-acetoxy benzoate (Table 1). The determination accuracy is specified as being \(\pm\) 0.03%. Results show that in all compounds in the investigated temperature range the temperature function of density proceeds linearly. Also the molar volumes exhibit a linear temperature function. Table 2 supplies equations of the straight lines of the temperature function of density and molar volumes of the compounds inves-

Card 1/2

tigated for broad temperature ranges. There are 2 tables

SOV/76-33-6-18/44

Densities and Molar Volumes of Some Organic Compounds in Broad Temperature Ranges

and 3 references, 2 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: November 10, 1957

Card 2/2

5(4) 50V/76..33-6-19/44

AUTHORS: Komandin, A. V., Rosolovskiy, V. Ya.

TITLE: Dielectric Constant of Some Organic Compounds Over a Broad

Range of Temperature (Dielektricheskaya pronitsayemost' nekotorykh organicheskikh soyedineniy v shirokom intervale

temperatur)

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 6, pp 1283-1288

(USSR)

ABSTRACT: To clarify the relationship existing between dielectric

properties and structure the dielectric constants (DC) were

determined for the liquid and undercooled state over a broad temperature range concerning the following substances: methyl- and phenyl-o-acetoxybenzoate, anglyceryl-o-hydroxy-

benzoate and α, γ -glyceryl acetate. The preparation and cleaning methods as well as the physical constants of these

compounds have already been described earlier (Ref 2). The determination of the (DC) took place according to the pulsat-

ing method (Ref 3). Measuring results of the (DC) and

densities of the above mentioned substances are given as well as the computed values of the general and orientation

Card 1/2 polarization for the liquid and undercooled phase, and the

sov/76-33-6-19/44

Dielectric Constant of Some Organic Compounds Over a Broad Range of Temperature

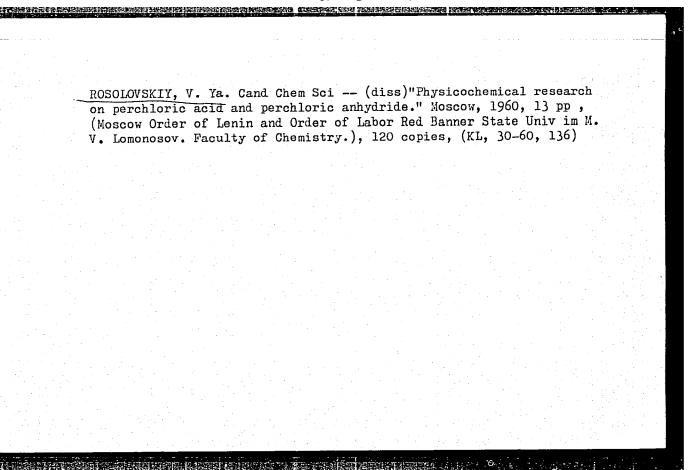
coefficients g according to Kirkwood (Tables ! . 4). It may be observed from the results obtained and from a graph (Figure) that the (DC) rises with the temperature drop, attains a maximum and then drops rapidly. The position of the curve maxima, however, depends on the structure of the compound. With rising molecular weight of ester the £ - T curve (£ = (DC), T = temperature) runs lower, and the curve maximum shifts to higher temperatures. The temperatures T_x (characteristic of each of the compounds) which corresponded to the £ - T curve inflection, were determined at constant frequencies of an electric cuter field, and are specified in the present paper. There are 1 figure, 4 tables, and 4 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: November 10, 1957

Card 2/2



AKISHIN, P.A.; VIIKOV, L.V.; ROSOLOVSKIY, V.Ya.

Electron diffraction study of the structure of vapor molecules of nitric acid and nitric anhydride. Zhur. strukt. khim. 1 no.1:5-11 Je '60. (MIRA 13:8)

1. Moskovskiy gosudarstvennyy universitet imeni m.V. Lomonosova i Institut obshchey i neorganicheskoy khimii imeni N.S. Kurnakova AN SSSR.

(Nitric acid) (Nitrogen oxide)

ROSOLOVSKIY, V. Ya.: ZINOV'YEV, A.A.; PROKHOROV, V.A.

Density in the system chloric anhydride - water. Zhur. neorg. khim. 5 no.3:692-694 Mr '60. (MIRA 14:6)

1. Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova AN SSSR. (Chlorine oxide)

KRIVTSOV, N. V., ROSOLOVSKIY, V.Ya., ZINOV'YEV, A.A.

Integral heats of solution of perchloric acid. Zhur. neorg. khim. 5 no.4:772-774 Ap '60. (MIRA 13:7)

1. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova Akademii nauk SSSR.

(Perchloric acid) (Heat of solution)

ROSOLOVSKIY, V. Ya.; KRIVTSOV, N. V., ZINOV'YEV, A.A.

Integral heats of solution of perchloric anhydride and of its mixtures with perchloric acid in water at 25°. Zhur. neorg. khim. 5 no.4:778-781 Ap '60. (MIRA 13:7)

1. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova Akademii nauk SSSR.

(Chlorine oxide) (Perchloric acid)
(Heat of solution)

5 2400 alm 2203

s/078/60/005/010/002/021 B004/B067

AUTHORS:

Rosolovskiy, V. Ya., Zinov'yev, A. A., Prokhorov, V. A.

Production of Perchloric Anhydride

TITLE:

Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 10,

PERIODICAL:

pp. 2148-2152

TEXT: The authors discuss the hitherto known methods of producing Cl207 by reacting HCl04 with P205. Since Cl207 was distilled off at $40-80^{\circ}\text{C}$, it always contained Cl_2O_6 and Cl_2O_2 impurities. The methods published earlier by the authors are briefly mentioned: reaction of liquid HClO $_4$ with solid P2O $_5$ and distilling off Cl $_2$ O $_7$ at -30°C and 2 torr (Ref. 7), and reaction of vaporous $HClO_4$ with solid P_2O_5 (Ref. 8). The

present paper reports on a new method in which SOz is used for dehydration. When adding oleum to HClO4 and cooling with dry ice, the liquid is separated into two layers at a certain concentration ratio

Card 1/3

84212

Production of Perchloric Anhydride

S/078/60/005/010/002/021 B004/B067

(Tables 1,2). The upper one contains almost pure Cl_2O_7 from which the low SO_3 amount (0.5%) is removed by distillation at 2 torr over P_2O_5 in a collecting vessel cooled with dry ice (Fig.). The lower liquid layer contains H_2SO_4 , SO_3 , $HClO_4$, Cl_2O_7 , and crystals of either pyrosulfuric acid or of the compound $(ClO_3)(HS_2O_7)$, which was discovered by A. A. Spryskov (Ref. 9). No pure Cl_2O_7 could be distilled off from this mixture. To avoid explosions one must work cautiously. The upper layer must be poured off since the friction of the tap of a separating funnel may already cause explosion. The following summational reaction equation is given: $2HClO_4 \cdot 2H_2O + 5SO_3 = Cl_2O_7 + 5H_2SO_4$ (4). There are 1 figure, 2 tables, and 9 references: 3 Soviet, 3 US, 1 British, and 2 German.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S.
Kurnakova Akademii nauk SSSR, Laboratoriya neorganicheskogo
sinteza (Institute of General and Inorganic Chemistry imeni
N. S. Kurnakov of the Academy of Sciences USSR,
Laboratory of Inorganic Synthesis)

Card 2/3

ZINOV'YEV, A.A.; ROSOLOVSKIY, V.Ya.								
		khim. 5 n	in the system o.11:2564-2567 (Chlorine oxide	perchloric N '60.	anhydride - (Viscosity)	(M.	Chur. neorg. IRA 13:11)	

ROSOLOVSKIY, V.Ya.

Dry box. Zav. lab. 27 no.3:353-354 161.

ORGANISATES AND HER TOTAL PROPERTIES AND THE PROPERTY OF THE P

(MIRA 14:3)

1. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova Adademii nauk SSSR.

(Chemical apparatus)

HOEBL

S/020/62/146/001/011/016 B101/B144

AUTHOR:

Rosolovskiy, Y. Ya.

TITLE:

Thermal decomposition of nitrosyl perchlorate

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 146, no. 1, 1962, 115 - 117

TEXT: The gaseous products condensed by liquid nitrogen were analyzed, as well as the composition of the solid phase in thermal decomposition of nitrosyl perchlorate at 99 $^{\pm}$ 0.1°C and 1 mm Hg vacuum. The analysis of the solid phase indicates the formation of nitronium perchlorate. The infrared spectrum showed both the 2293 cm⁻¹ band of the NO $^{\pm}$ ion and the 1385 cm⁻¹ band of the NO $^{\pm}$ ion. ClO $_{2}$ and NO $_{2}$ form as gaseous products. The free chlorine content of the gas is due to thermal decomposition of ClO $_{2}$. The maximum NO $_{2}$ ClO $_{4}$ concentration, occurring after about 200 min, suggests that the nitrosyl perchlorate decomposes in two consecutive reactions: 2NOClO $_{4}$ = NO $_{2}$ ClO $_{4}$ + NO $_{2}$ ClO $_{4}$ + ClO $_{2}$ ClO $_{4}$ + NO $_{2}$ ClO $_{4}$ + NOClO $_{4}$ ClO $_{4}$ ClO $_{5}$ ClO $_{4}$ ClO $_{4}$ ClO $_{5}$ ClO $_{4}$ ClO $_{5}$ ClO $_{4}$ ClO $_{5}$ ClO $_{4}$ ClO $_{5}$ ClO $_{5}$ ClO $_{6}$ ClO $_{7}$ ClO $_{8}$ ClO $_{9}$

AND AND AND AND AND AND ASSESSMENT AND ASSESSMENT OF AN ASSESSMENT AND ASSESSMENT AND ASSESSMENT AND ASSESSMENT ASSESSMEN

.4

Thermal decomposition of ...

S/020/62/146/001/011/016 B101/B144

increases, (1) proceeds faster than (2). The thermogram of nitrosyl perchlorate decomposing at increasing temperature showed two endothermic effects, at 100-125 C corresponding to (1) and at 165-180 C from (2). There are 2 figures. The most important English-language reference is: M. M. Markowitz, J. E. Ricci et al., J. Am. Chem. Soc., 79, 3659 (1957).

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. 3. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry imeni N. S. Kurnakov of the Academy of Sciences USSR)

PRESENTED:

May 5, 1962, by I. I. Chernyayev, Academician

SUBMITTED:

April 24, 1962

Card 2/2

. 36696-65 EVT(m)/EPF(c)/EPF(n)-2/EF Pr-4/Ps-4/Pu-4 IJP(c)/F	R/EWP(1)/T/EWP(t)/EWP(b)/EWA(c) Pc-Li/ PL JD/WW/JW/JG/JWD/RM
CCESSION NR: AP5005011	S/0078/65/010/002/0446/0450
.UTHOR: <u>Titova, K. V.;</u> Rosolovski	
	roperties of guanidinium perchlorate
OURCE: Zhurnal neorganicheskoy k	himii, v. 10, no. 2, 1965, 446-450
OPIC TAGS: guanidinium perchlora tability, polymorphic transition	te crystal structure, solubility, thermal
ere studied. I belongs to the cubic a . 05 kKh. I does not form hydrates.	properties of guanidinium perchlorate (I) system, the lattice parameter a = 5.32 + Its solubility in water increases with temp olvents and insoluble in the non-polar sol- ished a polymorphic transition at 181C. I

ACCESSION NR: AP5005011 and 2 equations			
		《ALAPONETO" "HATEL AND TO EXCEPTION AND TO THE ALL SAFETY (1985)	
ASSOCIATION: Institut obshch Akademii nauk SSSR Laboratoi			
Chemistry Academy of Science			
SUBMITTED: 29Feb64	ENCL: 00	SUB CODE: GC, IC	
NR-REF-SOV: 002	OTHER: 007		
	\$\$\$\$ 1. \$\$\$(1.0) \$		
Card 2/2			

EAT(n)/EPF(c)/EPF(n)-2/EPR/EAP(1)/T/EAP(s)/EAT Pu-li IJP(c)/RPL JD/WW/JW/JWD/RM \$/0078/66/010/002/0451/0453 ACCESSION NR: AP5005012 44 AUTHOR: Titova, K. V.; Rosolovskiy, V. Ya. TITLE: The guanidinium perchlorate-lithium perchlorate system SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 2, 1985, 451-453 TOPIC TAGS: guanidinium perchlorate containing system, lithium perchlorate containing system, phase diagram, crystallization, hygroscopicity, guanidinium perchlorate ABSTRACT: The fusion diagram for the binary system guanidinium perchloratelithium perchlorate was constuucted (fig. 1). The crystallization curve consisted of three sections, corresponding to the crystallization of the high temperature modification of guanidinium perchlorate, to the low temperature modification of guanidinium perchlorate, and of lithium perchlorate. The eutectic at 105C corresponded to 50.5 mol% CN₃H₅HClO₄ + 49.5% LiClO₄. Polymorphic transition of guanidinium perchlorate occurred at 181C. No binary compounds were detected in the system. Although guanidinium perchlorate is not hygroscopic, the Card 1 / 3

36695 - 65			1
CCESSION NR: AP5005012		bloate melts anno	ach-
groscopicity of the guanidin I that of lithium perchlorate	ium perchlorate-lithii Orig. art. has: 4 fi	im perchlorate melts ap pro gures and 2 tables	
SSOCIATION: None			
UBMITTED: 29Feb64	ENCL: 01	SUB CODE: GC, IC	
R REF SOV: 007	OTHER: 003		
			。他们是由

ACC NR: AP7002819 SOURCE CODE: UR/0078/66/011/012/2819/2820

AUTHOR: Rosolovskiy, V. Ya.; Titova, K. V.

ORG: Oxidizer Laboratory, Institute of General and Inorganic Chemistry im. N. S. Kurnakov, Academy of Sciences (Institut obshchey i neorganicheskoy khimii Akademii nauk, Laboratoriya okisliteley)

TITLE: Nitroguanidinium perchlorate

SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 12, 1966, 2819-2820

TOPIC TAGS: nitroguanidinium perchlorate, chemical synthesis, nitroguanidinium perchlorate, PERCHLORIC, PERCHLORIC,

PERCHLORIC. ACID

ABSTRACT: Nitroguanidinium perchlorate (NGPC) was prepared by dissolving to saturation nitroguanidine in warm 72% perchloric acid. Cooling of the solution yielded colorless hygroscopic NGPC crystals. NGPC has a density of 1.93 ± 0.05 g/cm³, is stable at room temperature in dry air, is soluble in polar organic solvents, and is hydrolized by water,

Cord 1/3 UDC: 547.495.9'117.3'113.7.04

methyl- or ethyl alcohol, and dioxan. The interplanar spacings and relative line intensities of x-ray patterns of NGPC powder are given in the table. The heating curve of NGPC recorded at a heating rate of 3 deg/min, exhibits an endothermic effect at 75—80C, probably due to the polymorphic transformation of NGPC, and an exothermic effect at

ACC NR: AP7002819

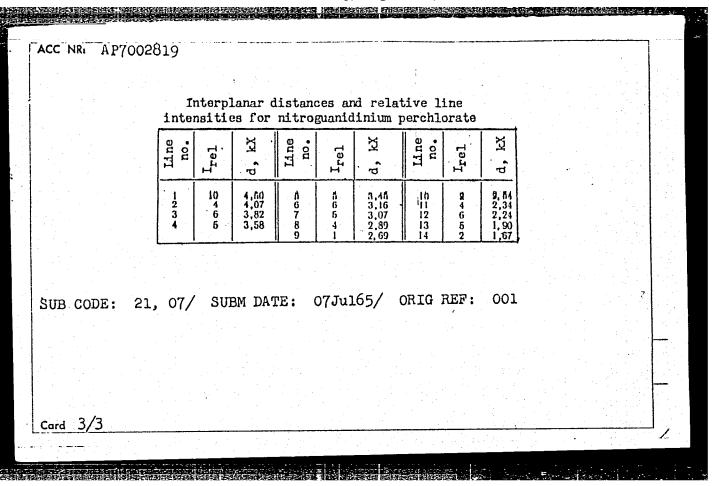
120C due to simultaneous melting and decomposition of the substance.

$$NH-NO_3$$
 $2C=NH\cdot HCIO_4 \rightarrow CN_3H_6CIO_4 + NH_4CIO_4 + CO_3 + NO_4 + ^9/_1N_3$
 NH_2

Anhydrous perchloric acid dissolves 48.1% of NGPC at 25C. The solid phase in equilibrium with the saturated solution is an addition product of one molecule of perchloric acid to NGPC. This addition product is, probably, "nitroguanidinium diperchlorate." It can be isolated in the form of colorless hygroscopic crystals which are stable at room temperature, but which decompose in vacuum to form perchloric acid and NGPC. The substance melts incongruently on heating to 70C in a closed vessel. Orig. art. has: 1 table.

[W. A. 77]

Card 2/3



TITOVA, K.V.; ROSOLOVSKIY, V.Ya.

Some physicochemical properties of guanidinium perchlorate. Zhur. neorg. khim. 10 no.2:446-450 F '65. (MIRA 18:11)

'Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN SSSR, laboratoriya okisliteley. Submitted Febr. 29, 1964.

TITOVA, K.V.; ROSOLOVSKIY, V.Ya.

System guanidinium perchlorate-lithium perchlorate. Zhur. neorg. khim. 10 no.2:451-453 F '65. (MIRA 18:11)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN SSSR, laboratoriya okisliteley. Submitted Febr. 29, 1964.

KRIVTSOV, N.V., TITOVA, E.V., ROSOLOVSKIY, V.Ya.

Enchelpy of the formation of guanidinium perchlorate, nitrate, and sulfate, Zhur. neorg, khim, 10 no.2:454-457 F 165.

(MIRA 18:11)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN SSSR, laborstoriya okialiteley. Submitted Febr. 29, 1964.

L 10396-63 EPF(c)/EWT(m)/BDS-AFFTC/RPL-Pr-L-EW/WW/JW/JWD/H ACCESSION NR: AP3001213 S/0078/63/008/006/1326/1331

AUTHOR: Rosolovskiy, V. Ya.; Rumyantsev, Ye. S.

12

TITLE: Thermal decomposition of nitrosyl perchlorate

SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 6, 1963, 1326-1331

TOPIC TAGS: nitrosyl perchlorate thermal decomposition, decomposition mechanism, intermediate products of decomposition, NO sub 2 ClO sub 4 decomposition

ABSTRACT: The thermal decomposition of nitrosyl perchlorate (I) has been studied. The solid intermediate products of this decomposition were isolated for the first time, their composition determined, and the identity of gaseous end products verified. On the basis of a kinetic analysis carried out at 1 mm Hg and 99C, it was found that I decomposed in two stages, with NO sub 2 ClO sub 4 (II) forming rapidly in the first stage and slowly decomposing in the second stage. The mechanism proposed for the decomposition is shown in formula (1) of Enclosure. The isolated gaseous products trapped

Card $\frac{1}{3}$

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001445

L 10396-63

ACCESSION NR: AP3001213

in the cold traps and the residual and condensed solid materials were analyzed chemically. Results indicated a content of II in the residual solid of up to 90%. The condensed-solid material consisted of mixtures of I and II, with the proportion of II noticeably lower than in the residual-solid material. The thermogram indicated two endothermic effects, corresponding to the rapid decomposition of I at 100--125C and the slow decomposition of II at 165--180C and confirming the decomposition mechanism proposed by the authors. It is noted that a study by Cruse, Huck, and Moller (Z. anorg. Chem., 259, 173 [1949]) of the decomposition of I in a closed system revealed two stages of pressure increase, but did not attribute this phenomenon to the two-stage decomposition reaction. Orig. art. has: 3 tables, 3 figures, and 3 formulas.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR. Laboratoriya okisliteley (Institute of General and Inorganic Chemistry, Academy of Sciences SSSR, Oxidizer Laboratory)

SUBMITTED: 24May62

DATE ACQ: 01Jul63

ENCL: 01

SUB CODE: 00

NO REF SOV: 002

OTHER: 007

Card 2/3

L 10656-63 EPF(c)/EWT(m)/EWP(q)/BDS--AFFTC/ASD--Pr-4--EW/WW/JW/JWD/H

ACCESSION NR: AP3001214

s/0078/63/008/006/1332,

Rosolovskiy, V. Ya.; Rumyantsev, Ye. S.; Mal'tseva, N. N. AUTHOR:

Reaction of nitrosyl perchlorate with cadmium and zinc oxides

Zhurnal neorganicheskoy khimii, v. 8, no. 6, 1963, 1332-1337 SOURCE:

TOPIC TAGS: nitrosyl perchlorate, cadmium, zinc oxides, anhydrous perchlorates, zinc perchlorate

ABSTRACT: The reaction of nitrosyl perchlorate (A) with CdO and ZnO in absence of solvent was investigated. (A) reacts with CdQ in solid phase at about 100 degrees, under vacuum, with simultaneous decomposition of a part of the (A). The solid reaction products are a mixture of anhydrous Cd(ClO sub 4), NO sub 2 ClO sub 4 and unreacted CdO. Cd(ClO sub 4) sub 2 is not too stable thermally, but was obtained in 59% yield by heating reactants for 3 hours to a maximum of 300 degrees. Products were identified by IR. ZnO will react with (A) at 60-110 degrees; heating the reaction mixture under vacuum at 180-190 degrees produced 99% Zn(CiO sub 4) sub-2 with traces of ZnO and NO sub 2 ClO sub 4. This method is proposed for production of anhydrous metallic perchlorates. "The authors express deep appreciation to V. I. Mikheyev for constant attention to present work." Orig. art.has: 3 Den . & Inorganie Chem. hat of Oxidegers. ac. of See

ROSOLOVSKIY, V.Ya.

Thermal decomposition of nitrosyl perchlorate. Dokl. AN SSSR 146 no.1:115-117 S '62. (MIRA 15:9)

1. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova AN SSSR. Predstavleno akademikom I.I. Chernyayevym. (Nitrosyl compounds)

FULLID

MINITER, Whitter, and ROSCICASKI, Spendeny, of the Department of Inorganic Charactery, University (Katodra Charai Liconganicane), University, Verscama), in Marcan.

Polarographic Studios of Dilute Aqueous Solutions of Molybeoghospheric Meteropolymetic.

Morracut, Bushing Chemis, Vol 37, No 9, 1963, 20911-917.

Mostraco: /Inclinic article, authors' Maglish our rany modified. Data on the reduction of molypdophospheric acids on the aeromy dropping electrode are scarce. Therefore the authors thought it would be useful to make a detailed study of the polarographic respective of those compounds. Meteropolyacids formed in acid solution during reaction between amornium molybdate and codium phosphate were investigated. Conditions are given at which a well developed reduction wave was observed. The character of the limiting current was determined. Sim curves and three graphs are remoduced. Thirty five references, including 2 Polish, 1 Russian, 1 Japanese, 6 German, 1 Indian, and 25 Western.

1/1

- 6 -

KEMULA, Wiktor; ROSOLOWSKI, Szczesny

Polarcgraphic determination of silicon as γ -molybdosilic acid. Chem anal 7 no.5:915-924 '62.

1. Department of Inorganic Chemistry, University, Warsaw.

KEMULA, Wiktor; ROSOLOWSKI, Szczesny

Polarographic properties of aqueous solutions of molybdosilicic acids. Rocz chemii 36 no.1:179-181 '62.

1. Department of Inorganic Chemistry, University, Warsaw.

ROSOLAWSHI, S.

Examples and conclusions; the matter of military ruffianism.

P. L (TOINIERS POLSKI) (Warszawa, Poland) No. 7. Jan. 1958

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

	KEMULA,	Wi	ktor	; R(SOL	OWS	I,	Szcz	zes	ny										ا			: 	
		Abs	orpt	iome	etri 835-	c i	nves	tig	ati	ons										ZCI	nemi: LO:3)		
		1.				emii otio			ani	CZI (Ge	nej erma	Uni niw	rers	yte (1	etu, Moly	Wa bdi	rsz c a	awa cid	• s)					
																								: 1
		- 1																						
									- 1															
	s in the silver																							
									٠.															
												-1											< 15	
																							• •	
														100										
41 4 11	-																							
										,				1.	400									
			- 1						٠.															
															٠.									
												1												
	200																							
			100				11.																	
																				- 1			100	
	4.		•																					
																							100	
									100															
	12																						 11.	
																·						-		Ė
				1.5																				

ROSOLOWSK	(1, SZCZ ESNY	
	JAU(RMXMA)	
	Absorptiometric investigations of germanomolybdic acid, Wiktor Kemula and Secresny Rosobwski (Univ. Warssy). Rosobwski (Un	
	ing formula is H ₄ [Ge(Mo ₂ O ₁₀) ₄],nH ₂ O. A. Kręglewski.	

KEMULA, Wiktor; ROSOLOWSKI, Szczesny

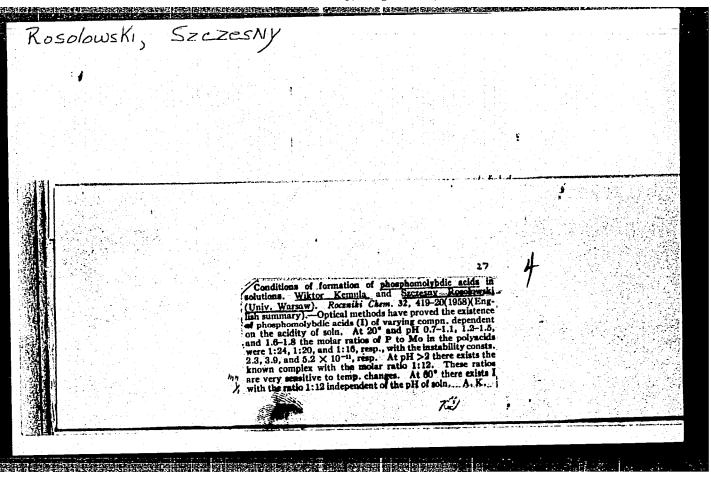
Photometric determination of silicon as - molybdosilic acid. (EEAI 10:8)

Chem anal 5 no.3:419-428 '60. (EEAI 10:8)

1. Katedra Chemii Nieorganicznej Universytetu, Warszawa. (Photometry) (Silicon) (Silicomolybdic acid)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001445



C-1POLAND / Inorganic Chemistry. Complex Compounds. Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 709. . Kemula, W.; Rosolowski, S. : Conditions for the Formation of Phosphoromolybdic Author Inst: Title Acids in Solutions. Orig Pub: Roczn. chem., 1958, 32, No 2, 419-420. Abstract: The existence of phosphoromolybdic acids was determined by optical methods an various compositions, mined by optical methods an various compositions, depending on the acidity of the solution. At a phospherical control of 0.7 to 1.1 heteropolyacid is present in a molecular ratio (R) P:Mo, of 1:24. The constant of instability (C) of this complex is 2.3 x 10⁻¹⁰. At a pH of 1.2-1.5 r = 1:20 and $C = 3.9 \times 10^{-11}$; at a pH of 1.6-18 r = 1:16 and $C = 5.2 \times 10^{-11}$; at a Card 1/2

KEMULA, Wiktor; ROSOLOWSKI, Szczesny

Polarographic properties of aqueous solutions of molyb-dosilicic acids. Rocz chemii 36 no.10:1417-1426 '62

1. Department of Inorganic Chemistry, University, Warsaw.

KEMULA, Wiktor, ROSOLOWSKI, Szczesny

Porafographic studies on dilute aqueous solutions of molybdo-phosphoric heteropolyacids. Rocz chemii 37 no.9:941-947 63.

1. Department of Inorganic Chemistry, University, Warsaw.

KEMULA, Wiktor; ROSOLOWSKI, Szczesny

Spectrophotometric studies on the formation of molybdosilic acids. Rocz chemii 34 no.1:3-15 '60. (EEAI 10:9)

1. Department of Inorganic Chemistry, University, Warsaw.

(Spectrophotometry) (Silicomolybdic acids)

9.3200

78165 SOV/103-21-3-11/21

AUTHORS:

Ayzerman, M. A., Gusev, L. A., Rosonoer, L. I., Smirnova, I. M., Tal', A. A. (Moscow)

TITLE:

Finite Automatons. II.

PERIODICAL:

Avtomatika i telemekhanika, 1960, Vol 21, Nr 3, pp 359-

368 (USSR)

ABSTRACT:

The paper is a continuation of the article published in "Avtomatika i telemekhanika," Vol 21, Nr 2. In Part II of this article the following problem is discussed: an automaton A!, operating at a selected pace of time, T' is to be formed out of automatons A, operating at a different pace of time T. In referring to Part I of the paper, it is shown that this may be obtained by two methods. According to the first method, L delay elements, operating at pace T, are connected

in series as shown in Fig. 1,

Card 1/4

Finite Automatons. II.

78165 SOV/103-21-3-11/21



forming a delay line described by equations $x_1(p) = x_2(p-1)$, $x_2(p) = x_3(p-1)$,

The number $\mathcal L$ is a positive integer. It is assumed that pace T is represented on the time axis by equal intervals $\mathcal T$ and pace T' by equal intervals $\mathcal L$ $\mathcal T$.

 $x_1(p) = u(p-1),$

When an automaton is designed by the aggregation method in such a manner that the delay element with pace T is everywhere replaced by the above described lines, then the resulting automaton still operates at pace T. However, by registering the input and the delay line output symbols of this automaton after only L Tsec.

Card 2/4

Finite Automatons, II.

78165 SOV/103-21-3-11/21

the automaton with the desired pace may be obtained. The second method is applied to an automaton A, which at the moment t_0 assumes an input state ρ_0 , the latter remaining constant until t_1 . During time $t_0 < t < t_1$ the automaton operates as an autonomic automaton (see part I). At $t=t_1$ the input state ρ_0 changes to ρ_1 and remains constant until $t=t_2$, thus defining a new autonomic automaton. At $t=t_2$ the state ρ_1 changes to ρ_2 , etc. Under the assumption that the input state ρ_1 and the states ρ_1 changes to ρ_2 , etc. Under the assumption are registered only at times ρ_1 , ρ_2 , ρ_1 , ρ_2 ,

Card 3/4

Finite Automatons. II.

78165 SOV/103-21-3-11/21

relay-contact systems. By neuron is meant an element with a finite number of inputs and one output only. The input and output states are designated by symbols from the "alphabet" $\{0,1\}$. The cutput symbol is singularly determined by the input symbols which existed au seconds ago. A neuron may be considered as a finite automaton with only two possible states. Neurons may be combined into networks without the use of symbol converters (see Part I). Relay systems may also be considered as finite automatons of the "neuron network" type, the time delay of τ sec being determined by the duration of the relay operation. Concluding remarks are made on the possibility of considering a system designed as to belong to the class of finite automatons. The application of the theory of finite automatons is terminated as soon as equations of type (6), Part I, are written. These equations are then used as a basis for engineering design. There are 5 figures; and 1 table.

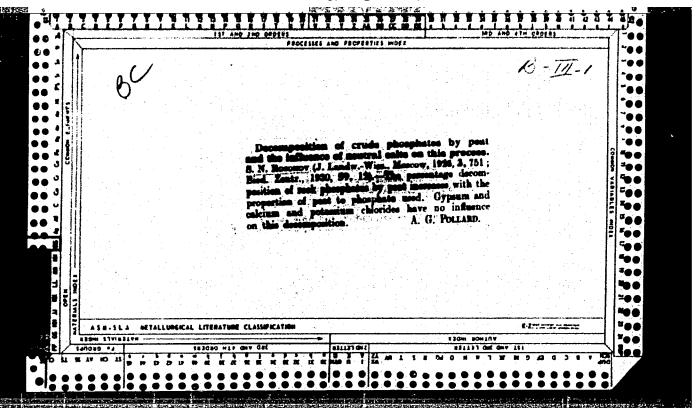
SUBMITTED:

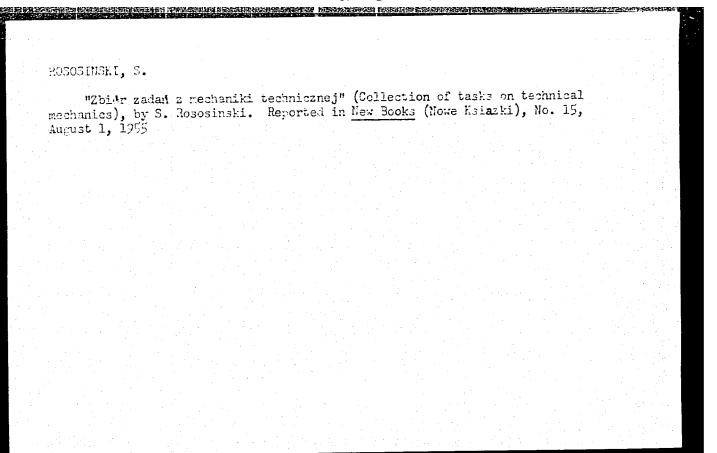
November 26, 1959

Card 4/4

ROSNER, Witold, prof. mgr inz.

Dedusting boiler flue gases. Pt. 2. Gosp paliw 12 no.7:230-234
Jl '64.





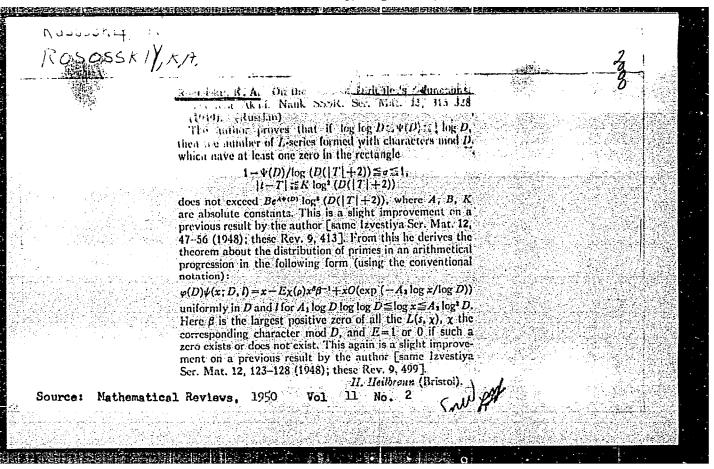
AND THE PROPERTY OF STREET OF STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,

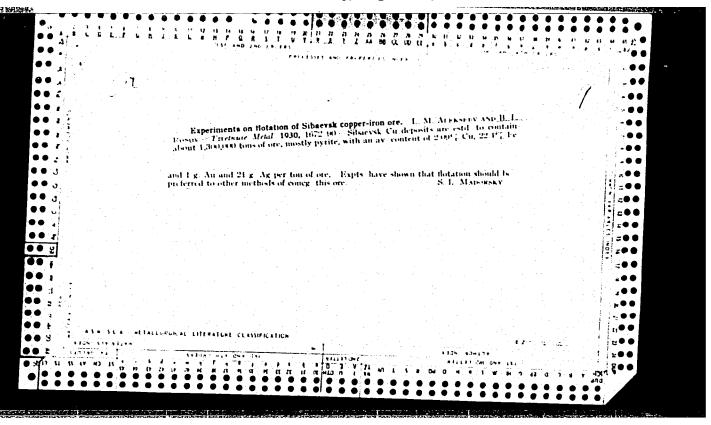
ROSOSOCHACKI, Z.

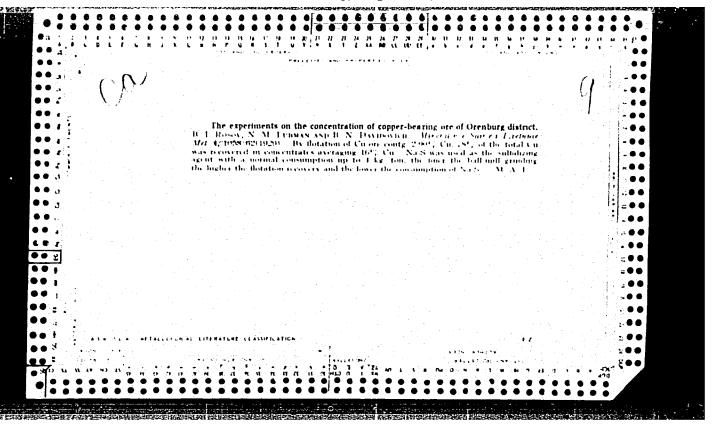
Principles of operating radar equipment. (To be contd.) p. 22. Increasing fruitfulness, main task of sugar-beet growers; report by Zigmunds Klidzins, Chairman of the Rainis Collective Farm in the district of Bauska. p. 29. RADTOAMATOR, Warszawa. Vol. 5, no. 3, Mar. 1955.

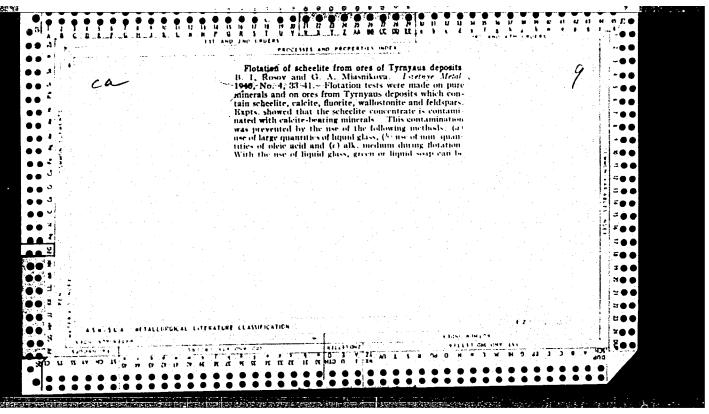
SOURCE:

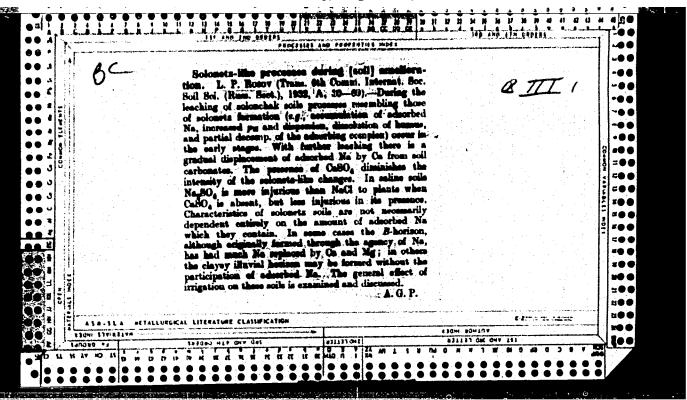
East European Acession List (ESAL) library of Congress Vol. 5, no. 8, August 1956.

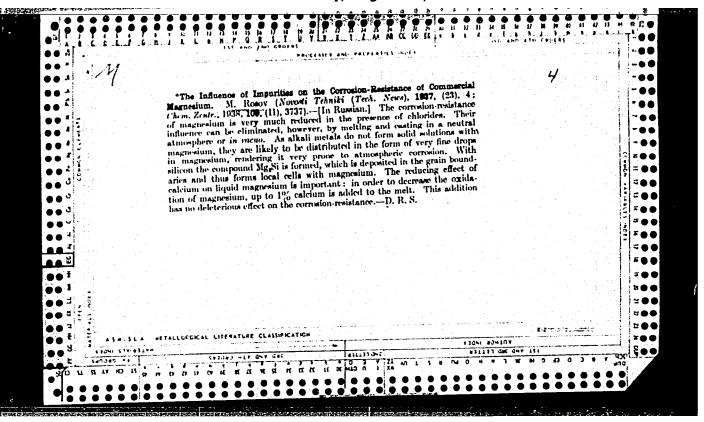


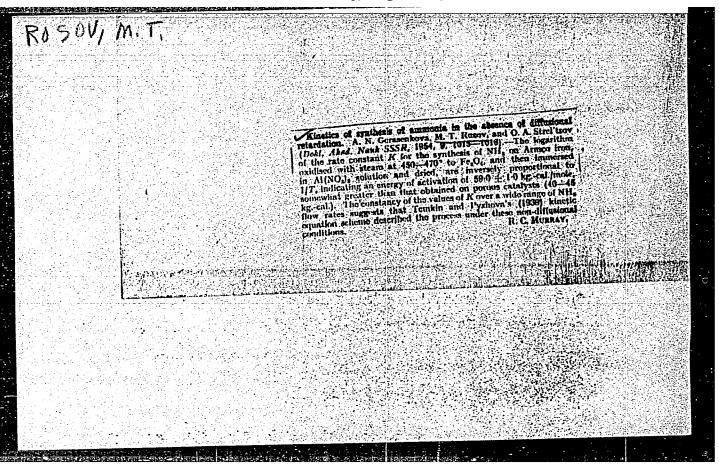


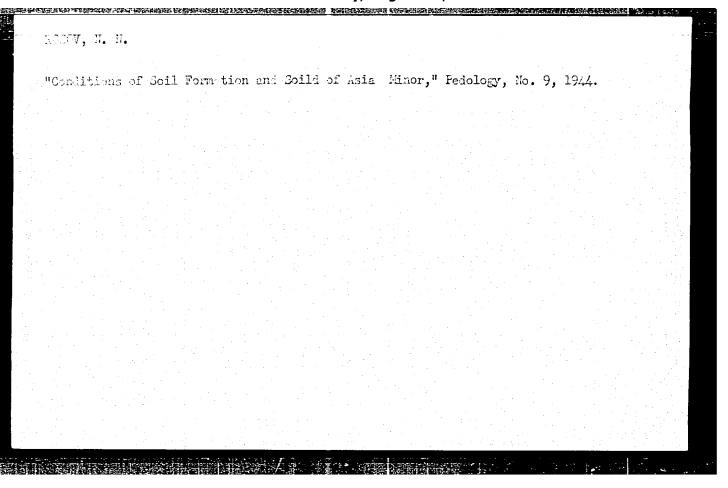








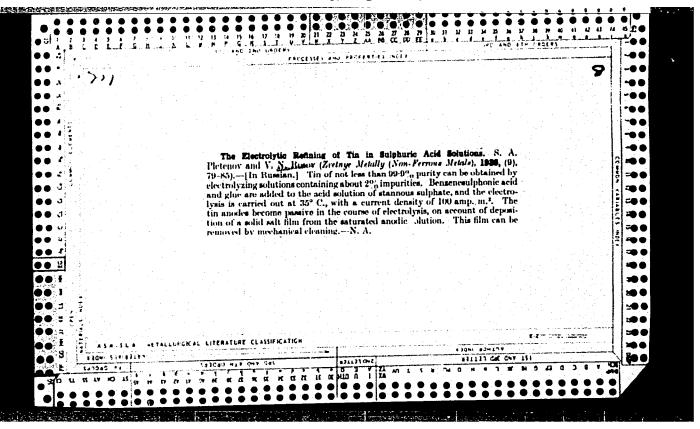


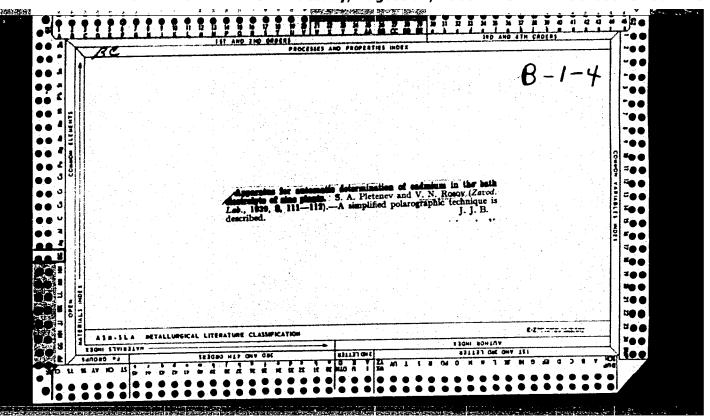


ROSOV. Serafim, Vasil'yevich, kandidat tekhnicheskikh nauk, dotsent;
SERDYUK, V.K., inzhener, redaktor; RUDENSKIY, Ya.V., tekhnicheskiy redaktor.

[Course in mechanical drawing] Kurs chercheniia. Izd.4-oe, isp. Kiev, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1956.

306 p. (Mechanical drawing) (MLRA 9:5)





ROSOV, V. V. (Eng.)

"Woer die Berechnung der auf der Bahn eines Lichtstrahls Befindlichen Luftmasse." Zeitschrift für Meteorologie, No. 7, July 1957.

Maritime School in Murmansk